

WLAN Controller

WEC8050



Capacity & Performance	Maximum # of APs	Central Switching : 75 APs Local Switching : 200 APs	RF Management	RRM	<ul style="list-style-type: none"> Interference detection and avoidance Coverage hole detection and correction Transmit Power Control Dynamic Channel Planning 			
	Maximum # of Stations	1,500		RF Spectrum Analysis	Yes			
	Packet Forwarding	1.5 Gbps		Band-steering	Both from 5GHz to 2.4GHz and from 2.4GHz to 5GHz			
	APC / Cluster	2 (up to 150 APs)		Handover	L2/L3	Inter/Intra controller		
	Maximum # of SSID	255		Standard	Management	<ul style="list-style-type: none"> SNMP v1, v2c, v3(except VACM) RFC 854 Telnet RFC 1155 Management Information for TCP/IP-based internets (Only system MIB) RFC 1156 MIB (Only system MIB) RFC 1213 SNMP MIB II (Only system MIB) Private MIB (Port, Interface, Statistics information) RFC 1350 TFTP RFC 2616 HTTP RFC 3164 syslog RFC 3414 User-based Security Model (USM) for SNMPv3 Samsung private MIBs DHCP SHv2 Logging & reporting, Diagnostic 		
	# of VLAN per SSID	50						
	# of AP Group	75						
	# of AP per AP Group	500						
	# of VLAN per APC	128						
	# of SSID(WLAN) per AP	16						
	MAC Address	12K						
	Number of IPv4 Unicast Routers	10K						
	System BSSIDs	2,400						
Firewall Throughput	1.5 Gbps							
Max. Encryption(AES)	700Mbps							
Interface, H/W	Network Interface	4 x 10/100/1000Mbps Ethernet Port	Management			Interface	<ul style="list-style-type: none"> Web-based : HTTP/HTTPS Command-line interface : Telnet, Secure Shell (SSH) protocol Serial port Wireless Enterprise WLAN Manager(WEM) 	
	Console Port	RS232 (RJ-45 connector)						
	LED indicators	SYS, FAN , Power						
	Form Factor	1 RU						
	Hardware	<ul style="list-style-type: none"> Dimensions (W x D x H) : 290 x 280 x 44 mm Weight : 2.34 Kg Temperature : Operating temperature : 32 to 113 °F (0 to 45 °C); Storage temperature : -13 to 158 °F (-25 to 70 °C) Humidity : Operating humidity : 10 ~ 90 % noncondensing Input Power : 100 to 240 VAC; 50/60 Hz Consumption Power : 60 Watts 						
		IPv6		IPv6 Certification (Plan)				
		Routing		OSPF v1/v2, IGMP v1/v2/v3, PIM-SM				
		L2 Switching		802.1D_2004, MAC bridge, 802.1s, Multiple Spanning Trees, 802.1Q Virtual LANs				
		VLANs		Ethernet VLAN Tagging, 8021p/q(RFC2674), Port based VLAN, IGMP Snooping				
		DHCP		Server (1,500 users), Relay				
	Network	QoS		Shaping, Policing, 802.1p, Voice Quality Monitoring (VQM), WMM, 802.1q, DSCP, SIP Session aware CAC	Equipment Management		Alarm / Event Management	<ul style="list-style-type: none"> Web-based : HTTP/HTTPS Command-line interface : Telnet, Secure Shell (SSH) protocol Serial port Wireless Enterprise WLAN Manager(WEM)
		System Redundancy		Active-Active(up to 75APs), Active-Standby				
		Multi – homing		2 (per AP)				
Rouge AP Detection		Yes						
Firewall		Stateful firewall (License required), L3/L4 Firewall						
Internal Radius Server		512 users						
# of Connected External Radius Server		3						
Authentication		802.1x						
MAC Filtering, ACL		Yes						
Security		Encryption	<ul style="list-style-type: none"> WEP : RC4 40 and 104 bits TKIP / AES SSL : RC4, AES_128_CBC, AES_256_CBC, 3DES_CBC DTLS : RSA_WITH_AES_128_CBC_SHA, RSA_WITH_AES_256_CBC_SHA 					
			AAA	Radius Server				
			Standard & Compatibility	AP – APC Link		CAPWAP Tunneling (RFC5415, RFC5416), DTLS encryption (RFC4347)		
		WiFi		802.11a/b/g/n/ac, 802.11d, 802.11h, OKC (opportunistic key caching), 802.11e, 802.11i				
	Standard & Compatibility	Captive Portal	Yes					
IP Application		DHCP Server/relay, SSH, FTP, HTTP (s), NTP Server/Client, CLI (Command Line Interface), GUI Management (WEC), Ping, Traceroute, Packet Capture (Wireless)						
Regulatory Compliance	Regulatory Compliance	<ul style="list-style-type: none"> KC type approval UL 60950-1 EN 60950-1 FCC part 15 class A EN 55022 / EN 55024 						